

Fig. 1

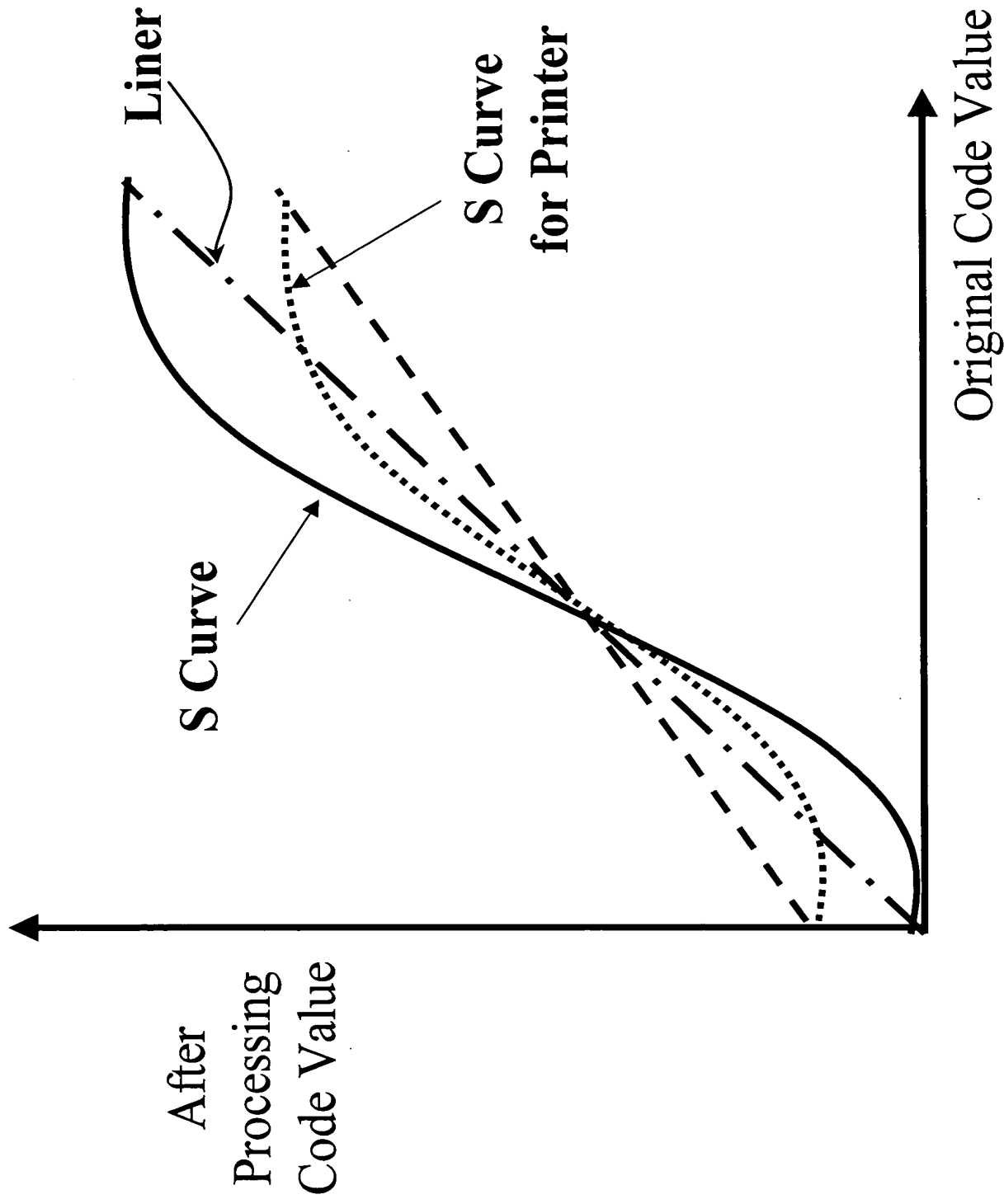


Fig. 2 S-curve tone process

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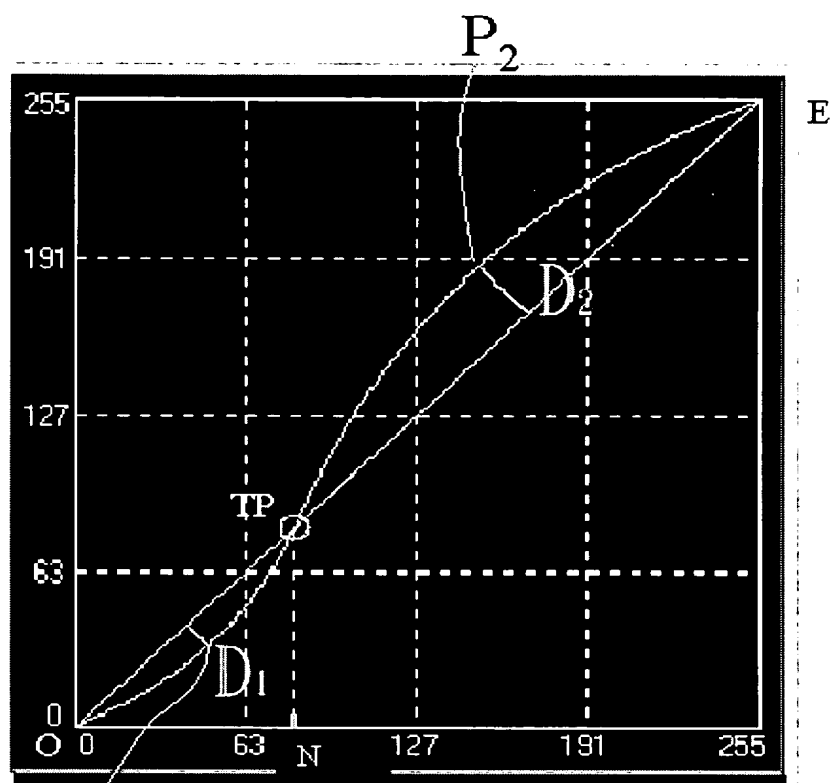


Fig. 3

Fig. 4

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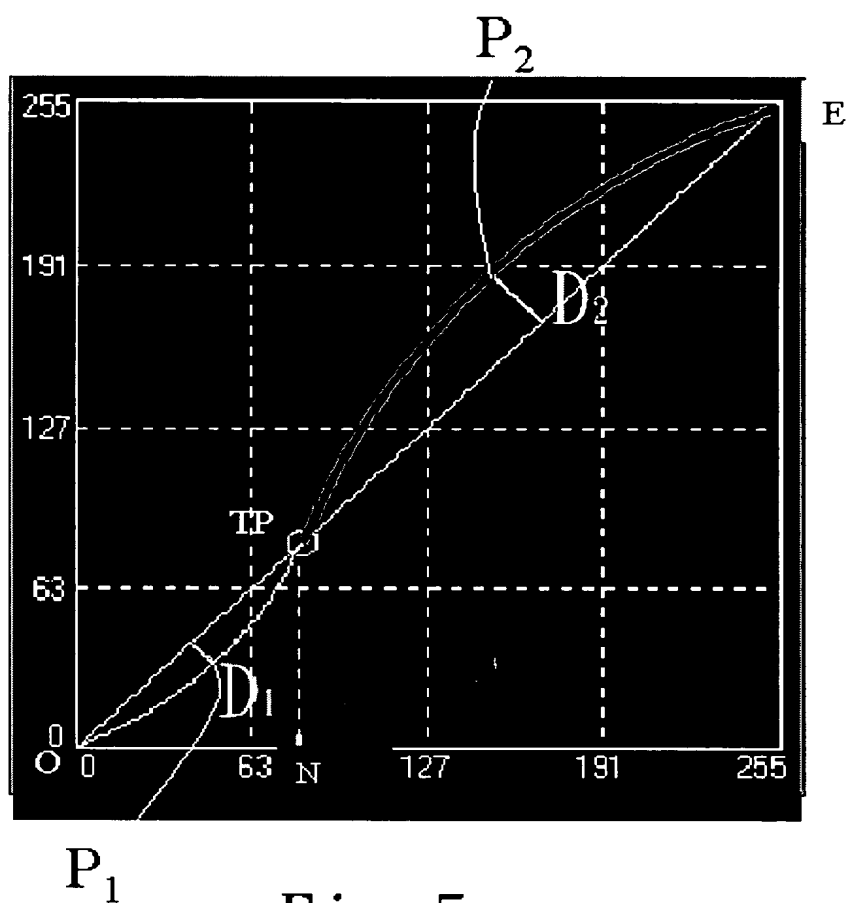


Fig. 5



Original



1/2 (TP=2)



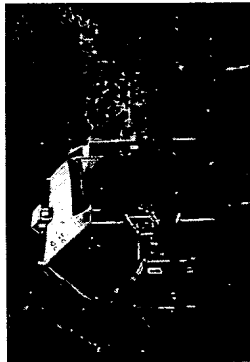
1/3 (TP=3)

Fig. 7A

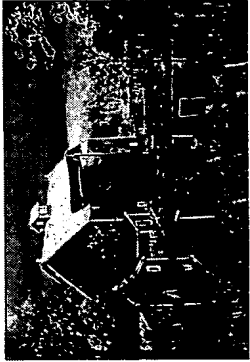
Fig. 7B

Fig. 7C

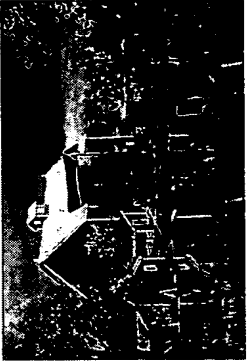
Images Before and After process



Original



1/2 (TP=2)



1/3 (TP=3)

Fig. 8A

Fig. 8B

Fig. 8C

Images Before and After process

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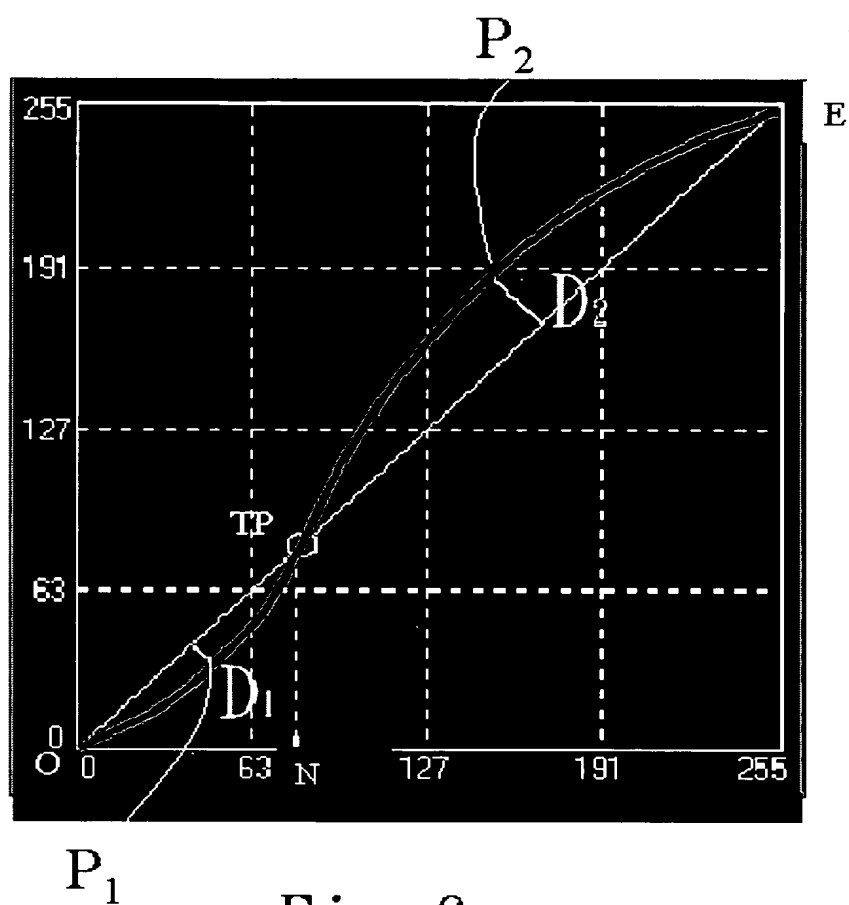
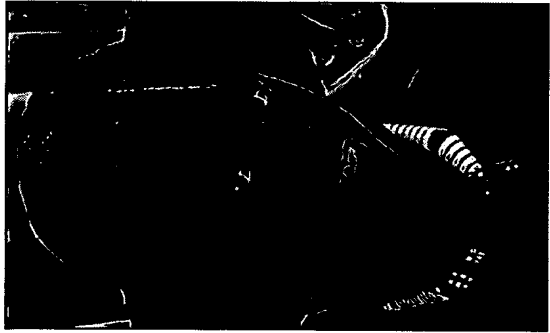


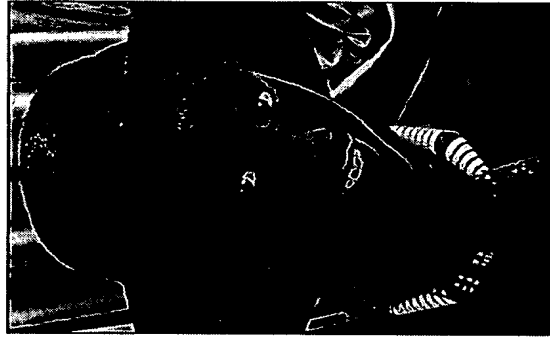
Fig. 6



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Original image



1/2 (TP=2)



1/3 (TP=3)

Fig. 9A

Fig. 9B

Fig. 9C

Images Before and After TP process

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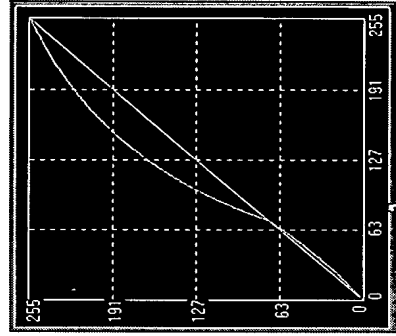
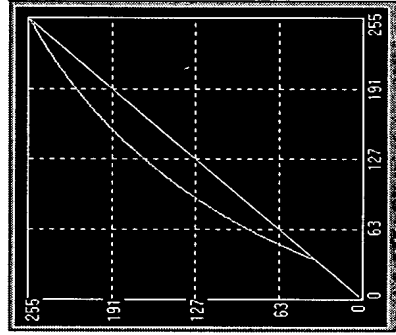
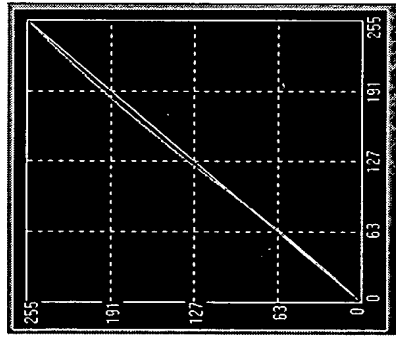
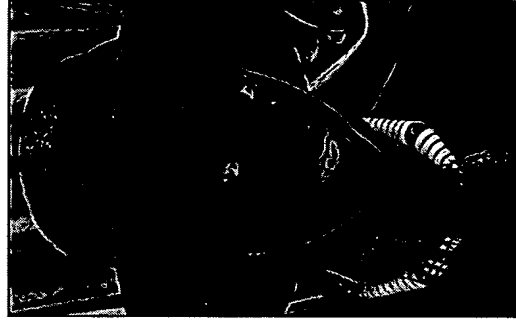
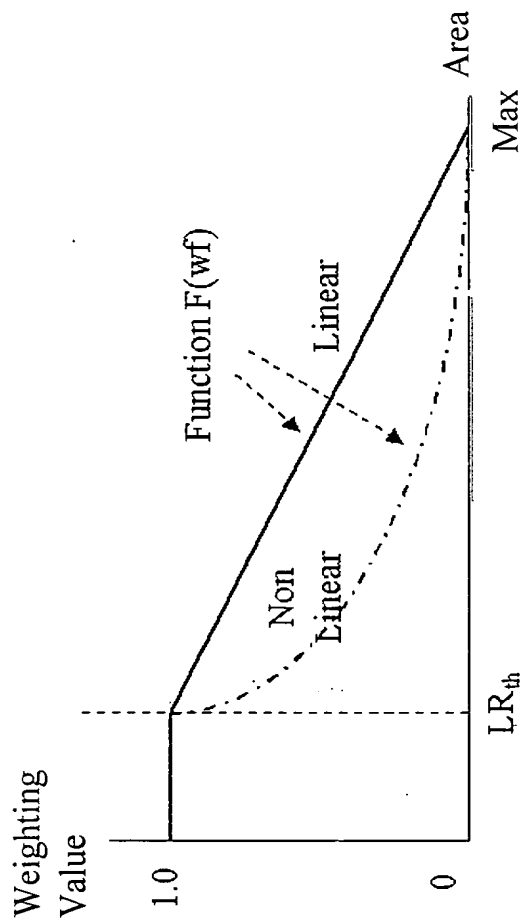


Fig. 10A

Fig. 10B

Fig. 10C



Linear  $F(wf)$ :  
 $F(wf) = 1$ , if  $LR < LR_{th}$   
 $F(wf) = (1 - LR_{th}) / LR$ , if  $LR \geq LR_{th}$

Fig. 11